

**THE UNIVERSITY OF CHICAGO**

Techniques are described for providing information about a current state that is modeled with multiple state attributes. In some situations, the providing includes receiving from a module a request related to the modeling of the current state with the multiple state attributes. In such situations, the providing further includes, without further intervention related to the request by the module, determining that the request cannot currently be satisfied, and indicating to the module that the request cannot currently be satisfied, monitoring at later times after the indicating to determine whether the request can be satisfied, and indicating to the module that the request can be satisfied if it is determined at one of the later times that the request can currently be satisfied.